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**Application No**

PCT/US 99/18777

### A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07K16/42 C07K16/24 C12N15/19 C12N15/66

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELD# SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C12N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

### C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 97 34631 A (UNIV TEXAS ;WARD ELIZABETH SALLY (US)) 25 September 1997 (1997-09-25) cited in the application page 3, line 4-19 page 4, line 9 -page 20, line 11 page 25, line 20 -page 47, line 13	1-11
Y	EP 0 770 628 A (CHUGAI PHARMACEUTICAL CO LTD) 2 May 1997 (1997-05-02) page 3, line 41 page 9, line 11 -page 18, line 26; example 5	1-11
	— -/-  humanized $\alpha$ -IL-2 "Reconstituted human antibody, against human IL-2"	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

**15 February 2000**

Date of mailing of the international search report

**28/02/2000**

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>WO 97 43316 A (BETH ISRAEL HOSPITAL)  20 November 1997 (1997-11-20)  cited in the application  page 5, line 6-12  page 7, line 19 -page 8, line 14  page 11, line 25 -page 12, line 22;  examples I-IV</p>	1,7,10, 11
A	<p>WO 96 32478 A (GENENTECH INC)  17 October 1996 (1996-10-17)  cited in the application  page 10, line 1-31</p>	1,4
A	<p>WO 98 31820 A (BORYUNG PHARM ;CHUNG YONG  HOON (KR)) 23 July 1998 (1998-07-23)  abstract  page 2, line 9-20; figures 3,4</p>	1,3,10, 11
A	<p>WO 94 04689 A (US HEALTH)  3 March 1994 (1994-03-03)  abstract  page 3, line 35 -page 4, line 15  page 11, line 1414 -page 41; example 1</p>	1,4
A	<p>KIM J-K ET AL., : "Localization of the  site of the murine IgG1 molecule that is  involved in binding to the murine  intestinal Fc receptor"  EUROPEAN JOURNAL OF IMMUNOLOGY ,  vol. 24 (10), 1994, page 2429-2434  XP000878770  the whole document</p>	1,4
A	<p>GHEETIE V ET AL., : "Increasing the serum  persistence of an IgG fragment by random  mutagenesis."  NATURE BIOTECHNOLOGY,  vol. 15 (7), 1997, page 637-640  XP000876642  the whole document</p>	1,4
A	<p>KIM J -K ET AL: "IDENTIFYING AMINO ACID  RESIDUES THAT INFLUENCE PLASMA CLEARANCE  OF MURINE IGG1 FRAGMENTS BY SITE-DIRECTED  MUTAGENESIS"  EUROPEAN JOURNAL OF  IMMUNOLOGY,DE,WEINHEIM,  vol. 24, no. 3, 1994, page 542-548  XP000590871  ISSN: 0014-2980  cited in the application  the whole document</p>	1,4

## INTERNATIONAL SEARCH REPORT

Information on patent family members

Patent Application No

PCT/US 99/18777

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